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PROLIFERATION STIMULANT FOR KERATINOCYTE AND DERMAL FIBROBLAST

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Abstract: PURPOSE: To obtain a proliferation stimulant for keratinocytes and dermal fibroblasts, containing a specific adenosine-3', 5'-cyclic phosphate (AMP) derivative as an active ingredient and effective against incised wounds caused by surgical operation, burns, traumas caused by injuries, cold injuries, mucosal diseases, hemorrhoids, etc.

CONSTITUTION: A proliferation stimulant for keratinocytes and dermal fibroblasts containing an adenosine-3',5'-cyclic phosphate derivative (e.g. N⁶, 2-0-dibutyryl cAMP in an amount of preferably about 0.0001-1wt.%) expressed by the formula (R¹ is H, 1-6C alkyl or 2-7C aliphatic acyl; R² is H, mercapto, 1-6C alkylthio, benzylthio, amino, OH, Cl or Br; R³ is H or 2-7C aliphatic acyl; X is H or alkali metal, provided that R¹ to R³ will not simultaneously be H) as an active ingredient. The aforementioned medicine is preferably used in the form of external use. An epidermal growth factor or a growth factor derived from blood platelets is preferably further blended in the aforementioned adenosine- 3',5'-cyclic phosphate derivative expressed by the formula.

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